

# Mentype<sup>®</sup> Nonaplex<sup>QS</sup>

For amplification of STR loci recommended by EDNAP & German forensic DNA database



Mentype<sup>®</sup> **Nonaplex<sup>QS</sup>** was developed for the multiplex amplification of the eight STR-markers for the German DNA database plus Amelogenin, whereas a well-balanced intensity of all signals was elaborated for the primer mix. Moreover, a primer set for SE33 was included that addresses all known primer binding site mutations allowing the amplification of those alleles in samples containing this variants. The kit contains the internal PCR control Mentype<sup>®</sup> **Quality Sensor** which provides helpful information on the efficiency of the PCR reaction and on the presence of PCR inhibitors. With Mentype<sup>®</sup> **Nonaplex<sup>QS</sup>** genotyping of blood samples, swabs and forensic stains is fast and reliable.

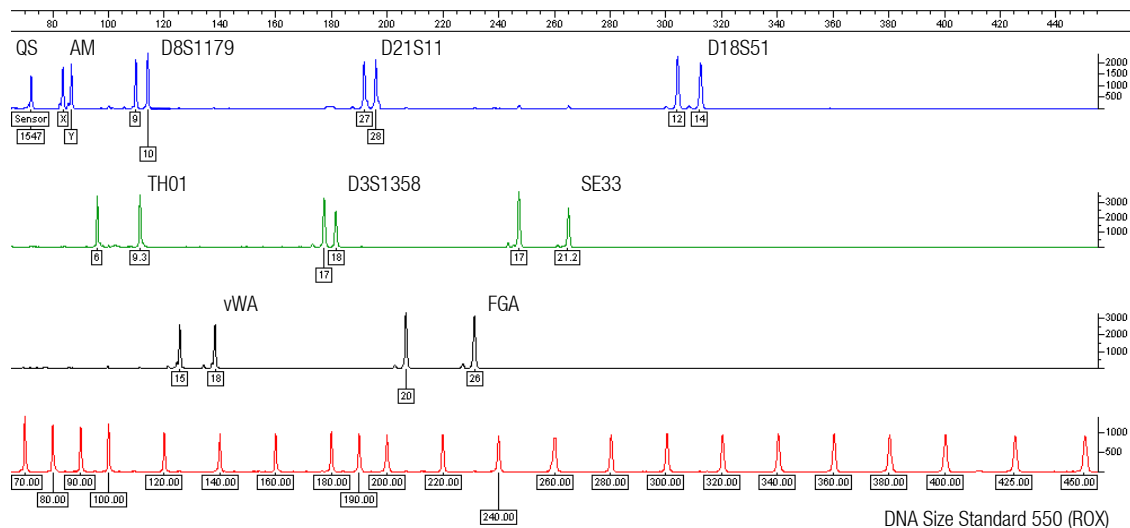
Bio type<sup>®</sup>



The following markers are amplified simultaneously:

<b>6-FAM:</b>	<b>Quality Sensor</b>	<b>Amelogenin</b>	<b>D8S1179</b>	<b>D21S11</b>	<b>D18S51</b>
<b>HEX:</b>	<b>TH01 (TC11)</b>	<b>D3S1358</b>	<b>SE33 (ACTBP2)</b>		
<b>NED:</b>	<b>vWA</b>	<b>FGA (FIBRA)</b>			

## Robust and sensitive genotyping of eight STR markers and Amelogenin



Electropherogram of PCR products using the Mentype **Nonaplex<sup>QS</sup>** analysed on an ABI PRISM<sup>®</sup> 310 Genetic Analyzer with Genotyper<sup>®</sup> software. Use of 500 pg control DNA XY1. The Mentype<sup>®</sup> **Quality Sensor** fragment signal is shown at 72 bp

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## Components and amounts for 100 reactions

Nuclease-free water	3.0 mL
Reaction mix A	500 µL
Primer mix	250 µL
Control DNA XY1	10 µL
DNA Size Standard (ROX)	50 µL
Allelic ladder	10 µL
Biotype <sup>®</sup> template files (Genotyper <sup>®</sup> /GeneMapper <sup>™</sup> ID) CD-ROM	

## Technical specification

Detection limit: ≤ 200 pg genomic DNA  
Optimal amount of template DNA per reaction: 0.1-1.0 ng  
Volume per PCR-reaction: 25 µL  
Fluorescence labels: 6-FAM, HEX, NED, ROX

## Use with

ABI PRISM<sup>®</sup> 310 Genetic Analyzer  
ABI PRISM<sup>®</sup> 3100-Avant/3100 Genetic Analyzer  
ABI PRISM<sup>®</sup> 3130/3130xl Genetic Analyzer  
ABI PRISM<sup>®</sup> 3730 DNA Analyzer

## Ordering information

Product	Content	Cat. No.
Mentype <sup>®</sup> Nonaplex <sup>QS</sup>	100 reactions	41-09330-0100
Mentype <sup>®</sup> Nonaplex <sup>QS</sup>	400 reactions	41-09330-0400
Mentype <sup>®</sup> Nonaplex <sup>QS</sup>	1000 reactions	41-09330-1000



Biotype Diagnostic GmbH

Moritzburger Weg 67  
D-01109 Dresden

Fon +49 351.8838 400  
Fax +49 351.8838 403

info@biotype.de  
www.biotype.de

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